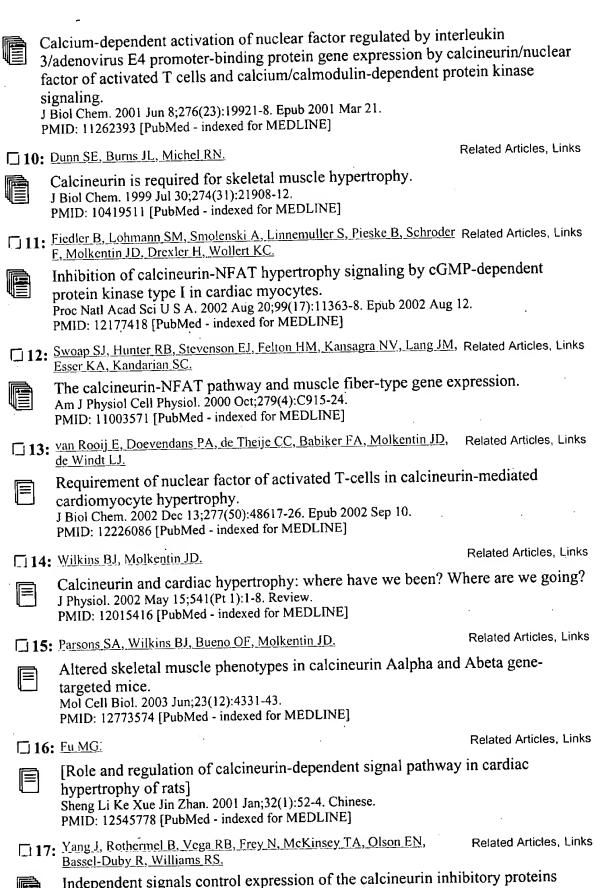






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Clinical Queries LinkOut	☐ 3: Naya FJ, Mercer B, Shelton J, Richardson JA, Williams RS, Olson EN. Related Articles, Links						
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Consumer Health Clinical Alerts ClinicalTrials.gov PubMed Central	Calcineurin signaling and neural control of skeletal muscle fiber type and size. Trends Pharmacol Sci. 2002 Dec;23(12):569-75. Review. PMID: 12457775 [PubMed - indexed for MEDLINE]						
Privacy Policy	Ti 5: Wu H, Naya FJ, McKinsey TA, Mercer B, Shelton JM, Chin ER, Simard AR, Michel RN, Bassel-Duby R, Olson EN, Williams RS.						
	MEF2 responds to multiple calcium-regulated signals in the control of skeletal muscle fiber type. EMBO J. 2000 May 2;19(9):1963-73. PMID: 10790363 [PubMed - indexed for MEDLINE]						
	6: Passier R, Zeng H, Frey N, Naya FJ, Nicol RL, McKinsey TA, Overbeek P, Related Articles, Links Richardson JA, Grant SR, Olson EN.						
·	CaM kinase signaling induces cardiac hypertrophy and activates the MEF2 transcription factor in vivo. J Clin Invest. 2000 May;105(10):1395-406. PMID: 10811847 [PubMed - indexed for MEDLINE]						
	T] 7: Musaro A, McCullagh KJ, Naya FJ, Olson EN, Rosenthal N. Related Articles, Links						
•	IGF-1 induces skeletal myocyte hypertrophy through calcineurin in association with GATA-2 and NF-ATc1. Nature. 1999 Aug 5;400(6744):581-5. PMID: 10448862 [PubMed - indexed for MEDLINE]						
	8: Semsarian C, Wu MJ, Ju YK, Marciniec T, Yeoh T, Allen DG, Harvey RP, Related Articles, Links Graham RM.						
	Skeletal muscle hypertrophy is mediated by a Ca2+-dependent calcineurin signalling pathway. Nature. 1999 Aug 5;400(6744):576-81. PMID: 10448861 [PubMed - indexed for MEDLINE]						

9: Nishimura Y, Tanaka T.



hypertrophy of rats]
Sheng Li Ke Xue Jin Zhan. 2001 Jan;32(1):52-4. Chinese.
PMID: 12545778 [PubMed - indexed for MEDLINE]

17: Yang J, Rothermel B, Vega RB, Frey N, McKinsey TA, Olson EN,
Bassel-Duby R, Williams RS.

Independent signals control expression of the calcineurin inhibitory proteins
MCIP1 and MCIP2 in striated muscles.
Circ Res. 2000 Dec 8;87(12):E61-8.
PMID: 11110780 [PubMed - indexed for MEDLINE]

18: Vega RB, Rothermel BA, Weinheimer CJ, Kovacs A, Naseem RH,
Bassel-Duby R, Williams RS, Olson EN.

Dual roles of modulatory calcineurin-interacting protein 1 in cardiac hypertrophy.
Proc Natl Acad Sci U S A. 2003 Jan 21;100(2):669-74. Epub 2003 Jan 06.
PMID: 12515860 [PubMed - indexed for MEDLINE]

19: Friday BB, Pavlath GK.



A calcineurin- and NFAT-dependent pathway regulates Myf5 gene expression in skeletal muscle reserve cells.

J Cell Sci. 2001 Jan;114(Pt 2):303-10.

PMID: 11148132 [PubMed - indexed for MEDLINE]

☐ 20: Antos CL, McKinsey TA, Frey N, Kutschke W, McAnally J, Shelton JM, Related Articles, Links Richardson JA, Hill JA, Olson EN.

Activated glycogen synthase-3 beta suppresses cardiac hypertrophy in vivo. Proc Natl Acad Sci U S A. 2002 Jan 22;99(2):907-12. Epub 2002 Jan 08.

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